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## POWER OF ATTORNEY TO PROSECUTE APPLICATIONS BEFORE THE USPTO I hereby revoke all previous powers of attorney given in the application identified in the attached statement under 37 CFR 3.73(b). I hereby appoint: Practitioners associated with the Customer Number. 11171 Practitioner(s) named below (if more than ten patent practitioners are to be named, then a customer number must be used): Name umber Number as attornsy(s) or apenits) to represent the undersymed before the United States Patent and Trademark Office (USPTO) in connection with any and all patent applications assigned only to the undersigned according to the USPTO assignment records or assignment documents attached to this form in accordance with 37 CFR 3.73(b). Please change the correspondence address for the application identified in the attached statement under 37 CFR 3.73(b) to: 1 11171 The address associated with Customer Number: ORFirm or Individual Name Address City Zio Country Telephone Email Assignee Name and Address CGGVeritas Services SA 1, rue Léon Migaux 91341 Massy Cedex, FRANCE A copy of this form, together with a statement under 37 CFR 3.73(b) (Form PTO/SB/96 or equivalent) is required to be filed in each application in which this form is used. The statement under 37 CFR 3.73(b) may be completed by one of the practitioners appointed in this form if the appointed practitioner is authorized to act on behalf of the assignee, and must identify the application in which this Power of Attorney is to be filed. SIGNATURE of Assignee of Record al whose signature and title is supplied below is authorized to act on behalf of the assignee Signature CHUS Date Feb 24, 2011 Name Mardson Q. McQuay, Ph.D., J.D. Telephone (011) 331 64 47 41 49 Title Vice President - Chief IP Counsel

This collection of efformation is required by 37 CPR 13.1.32 and 133. The intermetion be required to option or refers in benefit by the scale. Only in the 180P IO process) an expension to condendable is generally by 51.5.0.1.2 and 37 CPR 13.1 and 14.1 the collections is entireded to take 5 certains to complete, including patheting, preparing and submitting the competed application form to the USPIO. Time will any depending upon the individual case. Any comments on this country of the process of the 180P IO process of the 1